COTTON CHATS

FROM

DRAPER COMPANY

SHIPMAN'S
COMMON-SENSE BINDER

PATENTED

JANUARY 19, 1892. APRIL 19, 1904

To open binder, remove the slides from fasteners raise the fasteners to an erect position and then file papers. For punching: lay the papers on covers and mark sheets to correspond with fasteners.

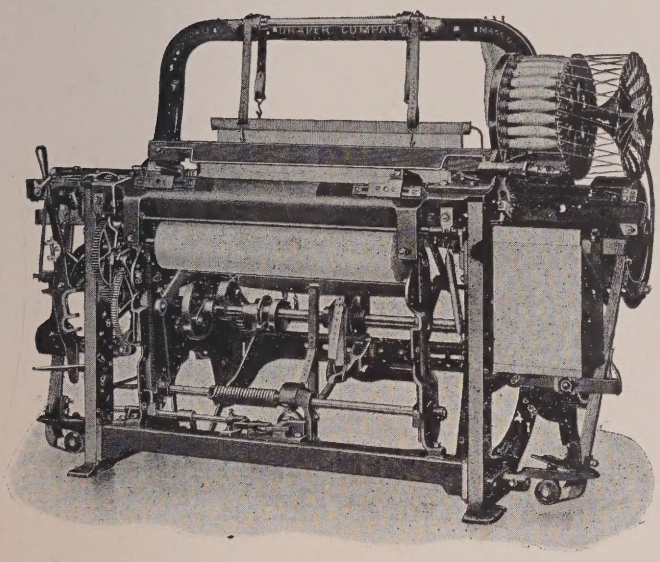
If DUPLICATE is wanted ORDER 25981

ASA L. SHIPMAN'S SONS
MANUFACTURERS,
NEW YORK.

COTTON CHATS

By the Secretary of the
DRAPER COMPANY,
HOPEDALE, MASS.

No. 7. January, 1902.



NORTHROP LOOM PROFITS.

IN our last Chats we proved conclusively, to our own satisfaction at least, that Fall River, or any other possible purchaser, could make a twenty per cent. investment by purchase of Northrop Looms. We assumed that five per cent., would pay interest on borrowed funds, so that fifteen per cent. could be netted without necessarily increasing capitalization. Carrying this same system of reckoning to a further conclusion it is readily seen that another deduction of five per cent. per year for depreciation or sinking fund would cancel the entire debt in twenty years, leaving the looms (still good for years of use) entirely paid for—and there would still remain **a surplus income** of ten per cent. from the borrowed funds which would have amounted to **200 per per cent. in cash** during the twenty years of re-payment. Of course this whole saving could be used to wipe off the investment charge in less time. In fact one of our customers figured that three years profits paid the extra cost of our looms. Of course any mill that has decided to add

new looms of any kind need only figure on the **extra** cost of Northrop looms above the common, and the figuring of profits when based on this smaller amount, reveals still larger increment.

The average mill does well to earn a clean five per cent. and allow for a proper depreciation. If the Northrop loom were purchased on the same basis as other machinery the purchasers could afford to give us a bonus of twice the loom price asked and still continue regular dividends.

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FEELER WASTE.

In weaving certain goods, the question of mispicks arises, demanding mechanism on filling changing looms that will supply new filling without leaving a partial end, or any mispick in the goods. We have had very fair success in this line with our feeler mechanism, but the amount of waste yarn necessarily left on the expelled bobbins has been an objectionable item of cost in certain instances. We started to overcome part of this difficulty by suggesting the practice of holding the ring rail on the spinning frame stationary at one point of its traverse, while a little bunch was built to co-operate with the feeler device. These bunches, however, were not of proper size for the purpose, and their position was not always sufficiently defined.

We are now putting out devices called Bunch-Builders, which are applied to spinning frames that spin the yarn for feeler bobbins. They build a bunch of proper size, in a uniform position, and as they work automatically, there is no chance of the spinner forgetting to operate them. We have these mechanisms running in many mills, and have proved that they could introduce a distinct advantage. One mill, after careful figuring for a period of several weeks, shows a gain of nearly 90% over the former custom.

The present form of our feeler includes several distinct advantages over any of our former products, and we believe it will open up a wide field that has formerly been shut to consideration of automatic looms.

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COMPARISON OF SALES.

In Geo. Draper & Sons fifth catalogue issued in 1881 they first published figures of spindle sales. It may be

interesting to compare the cloth mills that had thus early recognized a new invention and note whether the same progressive instinct is yet present. The Sawyer Spindle had then been on the market about ten years, and the Rabbeth nearly three years. Sales of 10,000 or more alone noted.

	Patent Spindles in Operation Jan. 1, 1881.		Northrop Looms sold to Jan. 1, 1902. Including old looms changed over.
	SAWYER.	RABBETH.	
Lonsdale Co.,	103,234		2030
Merrimack Mfg. Co.,	97,031		179
Boott Cotton Mills,	63,905		1133
Harmony Mills,	55,042		
Tremont and Suffolk,	51,702		2130
Social Mfg. Co.,	48,960		373
Cocheco Mfg. Co.,	48,438		100
Lawrence Mfg. Co.,	25,200	44,220	216*
Union Cotton Mfg. Co., Fall River,	39,728		
Hamilton Mfg. Co.,	37,768		
B. B. & R. Knight,	34,720	2440	
Grosvenordale Co.,	33,982		3645
Wampanoag Mills, Fall River,	32,956		
Slater Mills,	32,480		191
Amoskeag Mfg. Co.,	32,376	8089	11,061
Pocasset Mfg. Co., Fall River,	25,764		
Chicopee Mfg. Co.,	25,472		127
Hill Mfg. Co.,	24,706		1
Lancaster Mills,	23,072	3120	1002
Amory Mfg. Co.,	23,192		388
Appleton Co.,	22,300		310
King Philip Mills,	19,200		19
Atlantic Mills, Providence,	11,328	19,200	
Newmarket Mfg. Co.,	18,144		371
York Mfg. Co.,	17,920		70
W. S. Slater,	17,456		
Nashua Mfg. Co.,	17,440		18
Barnard Mfg. Co., Fall River,	16,532		
Everett Mills,	16,416		816
Cabot Co.,	15,712		
Boston Duck Co.,	14,436		
Lockwood Co.,	13,728		1294
Washington Mfg. Co.,	13,656		
Fiskdale Mills,	13,221		
Kearsage Mills,	12,768		
Renfrew Mfg. Co.,	12,384		
M. Gambrill & Co.,	12,300		
Durfee Mills, Fall River,	12,208		
Falls Co., Norwich,	11,920		61
Clinton Mfg. Co.,	11,688		
Newbury Steam Mill,	11,520		
Warren Cotton Mills,	11,376		
Boston Mfg. Co.,	11,264	5280	
Massachusetts Cotton Mills,	11,258		1128
Jackson Co.,	10,960		37
Ponemah Mill,	10,880		
Troy C. & W., Fall River,	10,400		
Graniteville Mfg. Co.,	10,344		1630
Williamsville Mfg. Co.,	10,149		
Hamilton Woolen Co.,	10,000		

*These original Lawrence Co., looms were later acquired by the Tremont and Suffolk and are figured in with their number. Several of the mills as organized in 1881 are now under different ownership or name.

Our total sales at this time were under 2,000,000 spindles. We have since made the total over 20,000,000. Our loom today has done better comparatively as compared with total possibilities.

The majority of the prompt purchasers of spindles have also promptly appreciated our loom. Every single mill in the country with a name worthy of recognition has adopted high speed spindles sooner or later. They must come to the automatic loom in the same inevitable way. Success, reputation and good judgment have endorsed us in the past and have assured our future. We may be thought persistent—but it is for your interest, gentlemen, as well as for our own.

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OUR LARGEST SALE.

We have recently sent out a special circular, referring to our sale of some 2500 looms to the Grosvenordale Company. Inasmuch as they had used our looms since 1895 and purchased them at eight different periods in various amounts, the question of trial had certainly been extensively considered. Every loom in their mills will soon bear a hopper and their officials need no longer spare the time to read our loom literature—perhaps this possibility of relief has influenced their action!

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The further issue of Cotton Chats is indefinitely suspended as the Chatterer will be absent from the country for several months. We shall undoubtedly have more to say in print in future and perhaps this way of presentation will be continued.

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